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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY	East Germany	REPORT NO.		25X1
SUBJECT	Information on Siemens-Plania (SAG Kabel)	DATE DISTR.	16 December 1953	
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1. No changes either in personnel or installations have taken place since the last report

Stocks

2. Deliveries of material include 625 tons of Rumanian coke and 250 tons of coke from USSR.
3. Stocks include about 12,000 tons of various cokes (untreated), stored in a previously unused site at the works, as well as large quantities of pitch stored on the considerable storage space available in the works area.
4. No important orders have been received of late.

Production

5. A 300 kg sample for a 28,000 ton order from the Czechs was shipped on 28 September 1953 to Czechoslovakia as Formula No. AM 40. The formula of the sample was as follows:

Czech coke with a grain size of 1.5 - 3 m/m33% (by weight)
 " " " " " " 0.6 - 1.5 m/m ...17% (by weight)
 25% mixed coke50%
 Plus 29% tar pitch.

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6. In addition, 15 car loads (2-axle, 4-wheel cars) left for Rumania on 28 September 1953 with tamping mass (Stampfmasse) made up from Formula AM 50 as follows:

Material	Grain size in m/m	% weight
Anthracite	8 - 13	15
"	6 - 8	10
"	4 - 6	10
"	2 - 4	10
"	0 - 2	5
Mixed coke	25% (sic)	24
"	0 - 0.6	8
E II graphite	0 - 2	8
Filter powder		10

7. 50 kg. of a coring compound for electrodes were sent to Poland on 22 September 1953 (Formula No. G 60).

Research and development

8. Research and development work included the conversion of Recklinghausen sieving apparatus to gas-heated vibration mixers, mixing of drying components and regulation of the necessary mixing temperature. As a result of this work, which has now been concluded, a saving of 30 minutes, compared with the earlier process, was achieved.
9. The Russian engineers were dissatisfied with the high frequency terminal (HF-Abschluss), as it failed to meet the required conditions.
10. Technological development included the working out of new formulae for the manufacture of Bitterfeld anodes on the basis of the following varieties of coke:
1. Koepsen coke (minimum ash content)
 2. Webau coke
 3. USSR coke
 4. Rumanian coke

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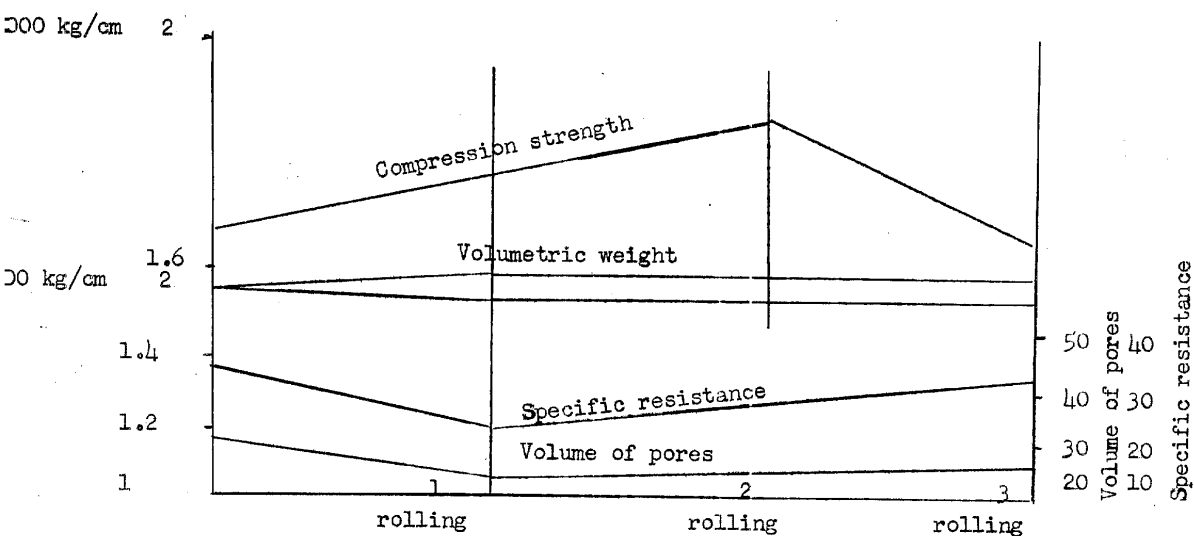
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11. The results of research into the influence of the rolling process on the physical properties of carbon mixtures are shown in the following diagram:



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